IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Application No.:

U.S. National Serial No.:

Filed:

PCT International Application No.: PCT/FR03/01661

VERIFICATION OF A TRANSLATION

I, Charles Edward SITCH BA,

Deputy Managing Director of RWS Group Ltd UK Translation Division, of Europa House, Marsham Way, Gerrards Cross, Buckinghamshire, England declare:

That the translator responsible for the attached translation is knowledgeable in the French language in which the below identified international application was filed, and that, to the best of RWS Group Ltd knowledge and belief, the English translation of the international application No. PCT/FR03/01661 is a true and complete translation of the above identified international application as filed.

I hereby declare that all the statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the patent application issued thereon.

Date: December 1, 2004

Signature: _ / / / / /

For and on behalf of RWS Group Ltd

Post Office Address:

Europa House, Marsham Way,

Gerrards Cross, Buckinghamshire,

England.

(12) DEMANDE INTERNATIONALE PUBLIÉE EN VERTU DU TRAITÉ DE COOPÉRATION . EN MATIÈRE DE BREVETS (PCT)

(19) Organisation Mondiale de la Propriété Intellectuelle

Bureau international



1 (1881 | 1881 | 1881 | 1881 | 1881 | 1881 | 1881 | 1881 | 1881 | 1881 | 1881 | 1881 | 1881 | 1881 | 1881 | 18

(43) Date de la publication internationale 11 décembre 2003 (11.12.2003)

PCT

(10) Numéro de publication internationale WO 03/103003 A1

ENTIFIQUE (CNRS) [FR/FR]; 3, rue Michel-Ange,

(71) Déposant (pour tous les États désignés sauf US) : CENTRE NATIONAL DE LA RECHERCHE SCI-

- (51) Classification internationale des brevets7: H01J 37/32, H05H 1/46
- (21) Numéro de la demande internationale : PCT/FR03/01661

- (22) Date de dépôt international : 3 juin 2003 (03.06.2003)
- (25) Langue de dépôt :

francais

(26) Langue de publication :

français

(30) Données relatives à la priorité : 02/06837

4 juin 2002 (04.06.2002)

(72) Inventeurs; et

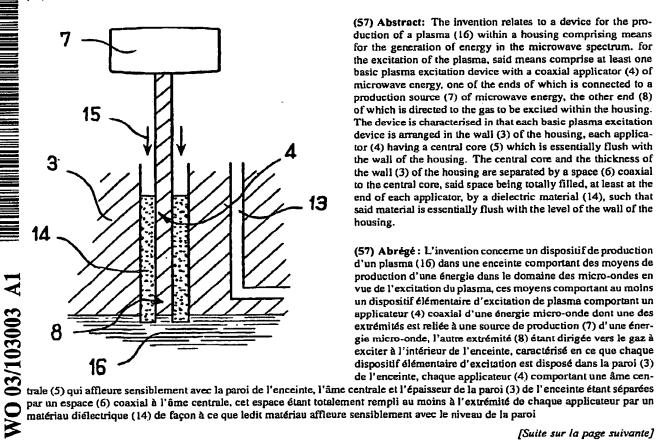
F-75016 Paris (FR).

(75) Inventeurs/Déposants (pour US seulement) : LA-GARDE, Thierry, Léon [FR/FR]; 1725A, route de Fontagneux, F-38450 Vif (FR). LACOSTE, Ana [FR/FR]; 44, avenue Général Leclerc, F-38950 St Martin le Vinoux (FR). PELLETIER, Jacques [FR/FR]; 8, Chemin Du Fort, Le Mûrier, F-38400 Saint Martin D'Hères (FR). ARNAL, Yves, Alban-Marie [FR/FR]; 5, allée de la Treille, F-38320 Poisat (FR).

[Suite sur la page suivante]

(54) Title: DEVICE FOR PRODUCTION OF A PLASMA SHEET

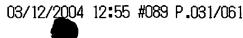
(54) Titre: DISPOSITIF DE PRODUCTION D'UNE NAPPE DE PLASMA



(57) Abstract: The invention relates to a device for the production of a plasma (16) within a housing comprising means for the generation of energy in the microwave spectrum. for the excitation of the plasma, said means comprise at least one basic plasma excitation device with a coaxial applicator (4) of microwave energy, one of the ends of which is connected to a production source (7) of microwave energy, the other end (8) of which is directed to the gas to be excited within the housing. The device is characterised in that each basic plasma excitation device is arranged in the wall (3) of the housing, each applicator (4) having a central core (5) which is essentially flush with the wall of the housing. The central core and the thickness of the wall (3) of the housing are separated by a space (6) coaxial to the central core, said space being totally filled, at least at the end of each applicator, by a dielectric material (14), such that said material is essentially flush with the level of the wall of the housing.

(57) Abrègé: L'invention concerne un dispositif de production d'un plasma (16) dans une enceinte comportant des moyens de production d'une énergie dans le domaine des micro-ondes en





WO 03/103003 A1

- (74) Mandataires: MARTIN, Jean-Jacques etc.; Cabinet Regimbeau, 20, rue de Chazelles, F-78547 Paris Cedex 17 (FR).
- (81) États désignés (national): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC. EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.
- (84) États désignés (régional): brevet ARIPO (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), brevet eurasien (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), brevet

européen (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR), brevet OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Publiée:

- avec rapport de recherche internationale
- avant l'expiration du délai prévu pour la modification des revendications, sera republiée si des modifications sont re-

En ce qui concerne les codes à deux lettres et autres abréviations, se référer aux "Notes explicatives relatives aux codes et abréviations" sigurant au début de chaque numéro ordinaire de la Gazette du PCT.